

Receipt date: 08/20/2004

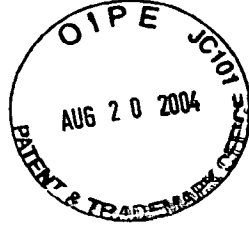
10771919 - GAU: 1735  
"PATENT"

**AMENDMENT TRANSMITTAL FORM**

In re application of: Frank Hershkowitz, et al.  
U. S. Serial No.: 10/771,919 [810025]  
Filed: February 4, 2004  
For: HYDROGEN MANUFACTURE USING PRESSURE SWING  
REFORMING

) Before the Examiner  
) Not Assigned  
)  
) Confirmation Number: 3488  
) Group Art Unit: 1746  
) Family Number: P2003J016-US3

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450



☒ The undersigned hereby certifies having information and a reasonable basis for belief that this correspondence will be deposited as first-class mail with the United States Postal Service in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on August 18, 2004.

Transmittal herewith is an amendment/response in the above-identified application.

Petition for extension of time pursuant to 37 CFR 1.136 and 1.137 is hereby made, if and to the extent, required. The fee for this extension of time is calculated to be \$\_\_\_\_\_ to extend the time for filing this response until \_\_\_\_\_.

The fee for any changes in number of claims has been calculated as shown below.

CLAIMS AS AMENDED						
(1)	(2) Claims Remaining After Amendment	(3)	(4) Highest Number Previously Paid For	(5) Present Extra	(6) Rate	(7)
Total Claims	*	Minus	**		x 18.00	
Indep. Claims	*	Minus	***		x 86.00	
MULTIPLE DEPENDENT CLAIM FEE					\$290.00	
FEE FOR CLAIM CHANGES						

\* If the entry in Column 2 is less than the entry in Column 4, write "0" in Column 5.

\*\* If the "Higher Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.

\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.

The total fee for this INFORMATION DISCLOSURE STATEMENT, including claim changes and any extension of time is calculated to be \$\_\_\_\_\_.

☒ Charge \$\_\_\_\_\_ to Deposit Account No. 05-1330.

☒ The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 and 1.17 which may be required by this paper, or credit any overpayment, to Deposit Account No. 05-1330. A duplicate copy of this Form is enclosed.

17 August 2004  
Date of Signature

Paul E. Purwin  
Attorney or Agent of Record

Post Office Address: [to which correspondence is to be sent]  
ExxonMobil Research and Engineering Company  
P. O. Box 900  
Annandale, New Jersey 08801-0900

PAUL E. PURWIN

Registration No. 29,203

☒ Pursuant to 37 CFR 1.34(a)

Facsimile No. (908) 730-3649



27810

PEP:dws

PATENT TRADEMARK OFFICE

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /PW/

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Frank Hershkowitz, et al.

U.S. Serial No.: 10/771,919

Filed: February 4, 2004

For: HYDROGEN MANUFACTURE USING PRESSURE  
SWING REFORMINGMail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450) Before The Examiner  
) Not Assigned  
)  
) Group Art Unit 1746  
) Family No.: P2003J016-US3  
) Job No. 810025  
Confirmation Number 3488

Sir:

INFORMATION DISCLOSURE STATEMENT

Enclosed herewith is Form 1449. This Information Disclosure Statement is submitted prior to the First Office Action on the merits. Any fees due should be charged to Deposit Account Number 05-1330.

Respectfully submitted,

Paul E. Purwin  
Attorney for Applicant(s)  
Registration No. 29,203  
Telephone No. (908) 730-3618ExxonMobil Research and Engineering Company  
P. O. Box 900  
Annandale, New Jersey 08801-0900  
PEP:dws August 16, 2004

I hereby certify that I have a reasonable basis for believing that this correspondence will be deposited with the United States Postal Service as first class mail in an envelope addressed to the Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on August 18, 2004

Date of Deposit

Diane Stracka

Name of attorney or agent

  
Signature

8/17/04

Date of Signature



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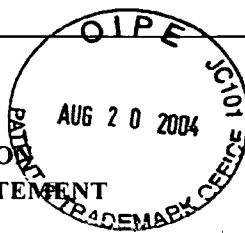
<b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)										Applicant(s) <b>Frank Hershkowitz, et al.</b>									
										U. S. Serial Number <b>10/771,919</b>					Filing Date <b>February 4, 2004</b>				
										Confirmation Number					Group Art Unit <b>1746</b>				
										Attorney Docket Number <b>JJD-0403</b>					Family Number <b>P2003J016-US3</b>				
<b>U. S. PATENT DOCUMENTS</b>																			
Examiner Initial *		Document Number							Date	Name	Class	Sub-Class	Filing Date						
	AA	1	7	2	6	8	7	7	10/3/29	R. E. Battig			5/18/27						
	AB	2	3	1	3	1	5	7	3/9/43	W. Linder	252	373	7/24/39						
	AC	2	5	5	6	8	3	5	6/12/51	F. T. Barr	48	196	12/29/45						
	AD	3	4	2	9	6	7	8	2/25/69	C. G. Milbourne, et al.	48	196	10/30/64						
	AE	4	2	0	0	6	8	2	4/29/80	Sederquist	429	17	3/16/79						
	AF	4	2	4	0	8	0	5	12/23/80	Sederquist	48	214	3/16/79						
	AG	4	2	9	3	3	1	5	10/6/81	Sederquist	48	94	7/2/80						
	AH	4	6	4	2	2	7	2	2/10/87	Sederquist	429	17	12/23/85						
	AI	4	7	5	1	0	5	5	6/14/88	Jubin, Jr.	422	190	11/18/85						
	AJ	4	8	1	6	3	5	3	3/28/89	Wertheim et al.	429	19	5/14/86						
	AK	5	9	8	0	5	9	6	11/9/99	Hershkowitz et al.	48	127.9	4/25/97						
	AL	5	9	8	5	1	7	8	11/16/99	Long et al.	252	373	10/31/97						
	AM	5	4	9	2	6	4	9	2/20/96	Christensen	252	372	12/9/94						
	AN	6	1	0	3	1	4	3	8/15/00	Sircar et al.	252	373	1/5/99						
	AO	6	3	0	2	1	8	8	10/16/01	Ruhl et al.	165	10	4/28/98						
<b>FOREIGN PATENT DOCUMENTS</b>																			
		Document Number							Publication Date	Country	Class	Sub-Class	Translation Yes No						
	AP	0	2	1	9	1	6	3A2	22.04.87	Europe	C01B	3/46							
	AQ	20	04/	0	0	0	7	25A1	31.12.2003	PCT	C01B	3/46							
Examiner /Paul Wartalowicz/										Date Considered 12/31/2010									
* Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and NOT considered. Include copy of this form with next communication to applicant(s).																			



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PATENT TRADEMARK OFFICE

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /PW/



**INFORMATION  
DISCLOSURE STATEMENT**

(Use several sheets if necessary)

Applicant(s) <b>Frank Hershkowitz, et al.</b>	
U. S. Serial Number <b>10/771,919</b>	Filing Date <b>February 4, 2004</b>
Confirmation Number	Group Art Unit <b>1746</b>
Attorney Docket Number <b>JJD-0403</b>	Family Number <b>P2003J016-US3</b>

**U. S. PATENT DOCUMENTS**

Examiner Initial *	Document Number	Date	Name	Class	Sub- Class	Filing Date
AA						

**FOREIGN PATENT DOCUMENTS**

	Document Number	Publica- tion Date	Country	Class	Sub- Class	Translation Yes No
AB	1 3 6 5 7 4 4	04.09.74	England	C10K	3/00	
AC	1 4 2 1 7 6 7	21.01.76	England	C10G	11/28	
AD	2 2 6 5 3 8 0A	29.09.1993	UK	C01B	3/24 3/46	
AE	2 2 6 5 4 8 1A	29.09.1993	UK	F27D	1/04	
AF	2 2 6 5 3 8 2	29.09.1993	UK	C01B	3/24 3/46	
AG	1 4 8 2 7 5	July 18, 1919	Sweden			
AH	2 2 6 5 3 8 1A	29.09.1993	UK	F27D	1/04	
AI						

**OTHER DISCLOSURES** (Include Author, Title, Date, Pertinent Pages, Place of Publication, etc.)

AJ	"Conversion Catalytique et Cyclique Des Hydrocarbures Liquides et Gazeaux," Societe ONIA-GEGI 4, place des Etats-Unis 92 Montrouge, Pages 1-32
AK	
AL	

Examiner <b>/Paul Wartalowicz/</b>	Date Considered <b>12/30/2010</b>
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\* Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and NOT considered. Include copy of this form with next communication to applicant(s).